

ABSTRACT OF THE DISCLOSURE

A closure for a container includes: (a) an inner cylindrical wall having first and second ends and defining a space; (b) an outer cylindrical wall
5 opposite the inner cylindrical wall and having said first and second ends to form an outer surface of the closure; (c) a first end wall extending across said first end, wherein said first end wall comprises a recess extending at least partially into said space, and a first set of threads disposed on said recess. In a preferred embodiment, a second set of threads is disposed on said inner
10 or outer cylindrical wall having a direction which is opposite that of the first set of threads. A combination container and a closure includes the closure as described above and a container having an opening at one end adapted to receive the closure. An apparatus removes and installs a closure on the container and includes: a threaded rotatable spindle adapted for threading
15 into a closure having a threaded depression and for applying a rotational force to remove the closure; and a clutch having an element adapted to engage the closure and apply a rotational to the closure. The apparatus can be used on an analyzer, such as a diagnostic analyzer.